

J1054 U.S. PTO  
07/25/01UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 77661/54

First Inventor Tatsuya KAWAHARA et al.

Title FUEL CELL

Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 21]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table, or a computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 3 ] 1

5. Oath or Declaration [Total Pages 4 ]  
a.  Newly executed (original or copy)  
b.  Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 18 completed)  
i.  DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a.  Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i.  CD-ROM or CD-R (2 copies); or  
ii.  paper  
c.  Statements verifying identity of above copies

## ACCOMPANYING APPLICATIONS PARTS

9.  Assignment Papers (cover sheet & document(s))

10.  37 C.F.R. §3.73(b) Statement  Power of (when there is an assignee) Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No:  
 Cross Reference to Related Application included in Preliminary Amendment Attached. Note: A cross reference to related application(s) must be filed with the USPTO before four months from the filing date of this continuing application.

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

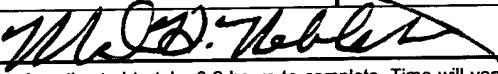
 Customer Number or Bar Code Label

(Insert Customer Number or Bar Code Label here)

or  Correspondence address below

Name	23838				
Address	PATENT TRADEMARK OFFICE				
City	State	Zip Code			
Country	Telephone	Fax			

Name (Print/Type)	Mark H. Neblett, Esq.	Registration No. (Attorney/Agent)	42,028
-------------------	-----------------------	-----------------------------------	--------

Signature		Date	July 25, 2001
-----------	---	------	---------------

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

J1040 U.S. PTO  
09/01/2001

07/25/01

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

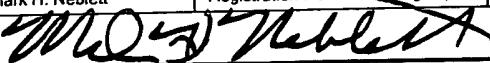
TOTAL AMOUNT OF PAYMENT (\$ 710)

## Complete if Known

Application Number	To be assigned
Filing Date	Herewith
First Named Inventor	Tatsuya KAWAHARA et al.
Examiner Name	To be assigned
Group / Art Unit	To be assigned
Attorney Docket No.	77661/54

METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																																				
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number <input type="text" value="11-0600"/>  Deposit Account Name <input type="text" value="Kenyon &amp; Kenyon"/>  <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65 Surcharge - late filing fee or oath</td><td><input type="text"/></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25 Surcharge - late provisional filing fee or cover sheet</td><td><input type="text"/></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130 Non-English specification</td><td><input type="text"/></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520 For filing a request for reexamination</td><td><input type="text"/></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920* Requesting publication of SIR prior to Examiner action</td><td><input type="text"/></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840* Requesting publication of SIR after Examiner action</td><td><input type="text"/></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55 Extension for reply within first month</td><td><input type="text"/></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195 Extension for reply within second month</td><td><input type="text"/></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445 Extension for reply within third month</td><td><input type="text"/></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695 Extension for reply within fourth month</td><td><input type="text"/></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945 Extension for reply within fifth month</td><td><input type="text"/></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155 Notice of Appeal</td><td><input type="text"/></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155 Filing a brief in support of an appeal</td><td><input type="text"/></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135 Request for oral hearing</td><td><input type="text"/></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510 Petition to institute a public use proceeding</td><td><input type="text"/></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55 Petition to revive – unavoidable</td><td><input type="text"/></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620 Petition to revive – unintentional</td><td><input type="text"/></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620 Utility issue fee (or reissue)</td><td><input type="text"/></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220 Design issue fee</td><td><input type="text"/></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300 Plant issue fee</td><td><input type="text"/></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130 Petitions to the Commissioner</td><td><input type="text"/></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130 Petitions related to provisional applications</td><td><input type="text"/></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180 Submission of Information Disclosure Stmt</td><td><input type="text"/></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40 Recording each patent assignment per property (times number of properties)</td><td><input type="text"/></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355 Filing a submission after final rejection (37 CFR § 1.129(a))</td><td><input type="text"/></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355 For each additional invention to be examined (37 CFR § 1.129(b))</td><td><input type="text"/></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355 Request for Continued Examination (RCE)</td><td><input type="text"/></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900 Request for expedited examination of a design application</td><td><input type="text"/></td></tr> <tr> <td colspan="4">Other fee (specify)</td> <td colspan="4">SUBTOTAL (3) (\$ 0)</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="4">SUBTOTAL (3) (\$ 0)</td> </tr> </tbody> </table>				Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65 Surcharge - late filing fee or oath	<input type="text"/>	127	50	227	25 Surcharge - late provisional filing fee or cover sheet	<input type="text"/>	139	130	139	130 Non-English specification	<input type="text"/>	147	2,520	147	2,520 For filing a request for reexamination	<input type="text"/>	112	920*	112	920* Requesting publication of SIR prior to Examiner action	<input type="text"/>	113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	<input type="text"/>	115	110	215	55 Extension for reply within first month	<input type="text"/>	116	390	216	195 Extension for reply within second month	<input type="text"/>	117	890	217	445 Extension for reply within third month	<input type="text"/>	118	1,390	218	695 Extension for reply within fourth month	<input type="text"/>	128	1,890	228	945 Extension for reply within fifth month	<input type="text"/>	119	310	219	155 Notice of Appeal	<input type="text"/>	120	310	220	155 Filing a brief in support of an appeal	<input type="text"/>	121	270	221	135 Request for oral hearing	<input type="text"/>	138	1,510	138	1,510 Petition to institute a public use proceeding	<input type="text"/>	140	110	240	55 Petition to revive – unavoidable	<input type="text"/>	141	1,240	241	620 Petition to revive – unintentional	<input type="text"/>	142	1,240	242	620 Utility issue fee (or reissue)	<input type="text"/>	143	440	243	220 Design issue fee	<input type="text"/>	144	600	244	300 Plant issue fee	<input type="text"/>	122	130	122	130 Petitions to the Commissioner	<input type="text"/>	123	130	123	130 Petitions related to provisional applications	<input type="text"/>	126	180	126	180 Submission of Information Disclosure Stmt	<input type="text"/>	581	40	581	40 Recording each patent assignment per property (times number of properties)	<input type="text"/>	146	710	246	355 Filing a submission after final rejection (37 CFR § 1.129(a))	<input type="text"/>	149	710	249	355 For each additional invention to be examined (37 CFR § 1.129(b))	<input type="text"/>	179	710	279	355 Request for Continued Examination (RCE)	<input type="text"/>	169	900	169	900 Request for expedited examination of a design application	<input type="text"/>	Other fee (specify)				SUBTOTAL (3) (\$ 0)				*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$ 0)			
Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																				
105	130	205	65 Surcharge - late filing fee or oath	<input type="text"/>																																																																																																																																																																				
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	<input type="text"/>																																																																																																																																																																				
139	130	139	130 Non-English specification	<input type="text"/>																																																																																																																																																																				
147	2,520	147	2,520 For filing a request for reexamination	<input type="text"/>																																																																																																																																																																				
112	920*	112	920* Requesting publication of SIR prior to Examiner action	<input type="text"/>																																																																																																																																																																				
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	<input type="text"/>																																																																																																																																																																				
115	110	215	55 Extension for reply within first month	<input type="text"/>																																																																																																																																																																				
116	390	216	195 Extension for reply within second month	<input type="text"/>																																																																																																																																																																				
117	890	217	445 Extension for reply within third month	<input type="text"/>																																																																																																																																																																				
118	1,390	218	695 Extension for reply within fourth month	<input type="text"/>																																																																																																																																																																				
128	1,890	228	945 Extension for reply within fifth month	<input type="text"/>																																																																																																																																																																				
119	310	219	155 Notice of Appeal	<input type="text"/>																																																																																																																																																																				
120	310	220	155 Filing a brief in support of an appeal	<input type="text"/>																																																																																																																																																																				
121	270	221	135 Request for oral hearing	<input type="text"/>																																																																																																																																																																				
138	1,510	138	1,510 Petition to institute a public use proceeding	<input type="text"/>																																																																																																																																																																				
140	110	240	55 Petition to revive – unavoidable	<input type="text"/>																																																																																																																																																																				
141	1,240	241	620 Petition to revive – unintentional	<input type="text"/>																																																																																																																																																																				
142	1,240	242	620 Utility issue fee (or reissue)	<input type="text"/>																																																																																																																																																																				
143	440	243	220 Design issue fee	<input type="text"/>																																																																																																																																																																				
144	600	244	300 Plant issue fee	<input type="text"/>																																																																																																																																																																				
122	130	122	130 Petitions to the Commissioner	<input type="text"/>																																																																																																																																																																				
123	130	123	130 Petitions related to provisional applications	<input type="text"/>																																																																																																																																																																				
126	180	126	180 Submission of Information Disclosure Stmt	<input type="text"/>																																																																																																																																																																				
581	40	581	40 Recording each patent assignment per property (times number of properties)	<input type="text"/>																																																																																																																																																																				
146	710	246	355 Filing a submission after final rejection (37 CFR § 1.129(a))	<input type="text"/>																																																																																																																																																																				
149	710	249	355 For each additional invention to be examined (37 CFR § 1.129(b))	<input type="text"/>																																																																																																																																																																				
179	710	279	355 Request for Continued Examination (RCE)	<input type="text"/>																																																																																																																																																																				
169	900	169	900 Request for expedited examination of a design application	<input type="text"/>																																																																																																																																																																				
Other fee (specify)				SUBTOTAL (3) (\$ 0)																																																																																																																																																																				
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$ 0)																																																																																																																																																																				
2. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355 Utility filing fee</td><td><input type="text" value="710"/></td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160 Design filing fee</td><td><input type="text"/></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245 Plant filing fee</td><td><input type="text"/></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355 Reissue filing fee</td><td><input type="text"/></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75 Provisional filing fee</td><td><input type="text"/></td></tr> <tr> <td colspan="4">SUBTOTAL (1) (\$ 710)</td> <td><input type="text" value="(\$ 710)"/></td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101	710	201	355 Utility filing fee	<input type="text" value="710"/>	106	320	206	160 Design filing fee	<input type="text"/>	107	490	207	245 Plant filing fee	<input type="text"/>	108	710	208	355 Reissue filing fee	<input type="text"/>	114	150	214	75 Provisional filing fee	<input type="text"/>	SUBTOTAL (1) (\$ 710)				<input type="text" value="(\$ 710)"/>	2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Multiple Dependent</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>11</td><td>-20</td><td></td><td>= 0</td><td>X <input type="text"/></td><td>= 0</td></tr> <tr><td>1</td><td>-3</td><td></td><td>= 0</td><td>X <input type="text"/></td><td>= 0</td></tr> <tr><td></td><td></td><td></td><td></td><td>X <input type="text"/></td><td>= 0</td></tr> </tbody> </table>				Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	11	-20		= 0	X <input type="text"/>	= 0	1	-3		= 0	X <input type="text"/>	= 0					X <input type="text"/>	= 0																																																																																																							
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																					
101	710	201	355 Utility filing fee	<input type="text" value="710"/>																																																																																																																																																																				
106	320	206	160 Design filing fee	<input type="text"/>																																																																																																																																																																				
107	490	207	245 Plant filing fee	<input type="text"/>																																																																																																																																																																				
108	710	208	355 Reissue filing fee	<input type="text"/>																																																																																																																																																																				
114	150	214	75 Provisional filing fee	<input type="text"/>																																																																																																																																																																				
SUBTOTAL (1) (\$ 710)				<input type="text" value="(\$ 710)"/>																																																																																																																																																																				
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																			
11	-20		= 0	X <input type="text"/>	= 0																																																																																																																																																																			
1	-3		= 0	X <input type="text"/>	= 0																																																																																																																																																																			
				X <input type="text"/>	= 0																																																																																																																																																																			
2. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9 Claims in excess of 20</td><td><input type="text"/></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40 Independent claims in excess of 3</td><td><input type="text"/></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135 Multiple dependent claim, if not paid</td><td><input type="text"/></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40 ** Reissue independent claims over original patent</td><td><input type="text"/></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9 ** Reissue claims in excess of 20 and over original patent</td><td><input type="text"/></td></tr> <tr> <td colspan="4">SUBTOTAL (2) (\$ 0)</td> <td><input type="text" value="(\$ 0)"/></td> </tr> </tbody> </table>				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	103	18	203	9 Claims in excess of 20	<input type="text"/>	102	80	202	40 Independent claims in excess of 3	<input type="text"/>	104	270	204	135 Multiple dependent claim, if not paid	<input type="text"/>	109	80	209	40 ** Reissue independent claims over original patent	<input type="text"/>	110	18	210	9 ** Reissue claims in excess of 20 and over original patent	<input type="text"/>	SUBTOTAL (2) (\$ 0)				<input type="text" value="(\$ 0)"/>	2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Independent Claims</th> <th>Multiple Dependent</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>11</td><td>-20</td><td></td><td>= 0</td><td>X <input type="text"/></td><td>= 0</td></tr> <tr><td>1</td><td>-3</td><td></td><td>= 0</td><td>X <input type="text"/></td><td>= 0</td></tr> <tr><td></td><td></td><td></td><td></td><td>X <input type="text"/></td><td>= 0</td></tr> </tbody> </table>				Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	11	-20		= 0	X <input type="text"/>	= 0	1	-3		= 0	X <input type="text"/>	= 0					X <input type="text"/>	= 0																																																																																																							
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																					
103	18	203	9 Claims in excess of 20	<input type="text"/>																																																																																																																																																																				
102	80	202	40 Independent claims in excess of 3	<input type="text"/>																																																																																																																																																																				
104	270	204	135 Multiple dependent claim, if not paid	<input type="text"/>																																																																																																																																																																				
109	80	209	40 ** Reissue independent claims over original patent	<input type="text"/>																																																																																																																																																																				
110	18	210	9 ** Reissue claims in excess of 20 and over original patent	<input type="text"/>																																																																																																																																																																				
SUBTOTAL (2) (\$ 0)				<input type="text" value="(\$ 0)"/>																																																																																																																																																																				
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																			
11	-20		= 0	X <input type="text"/>	= 0																																																																																																																																																																			
1	-3		= 0	X <input type="text"/>	= 0																																																																																																																																																																			
				X <input type="text"/>	= 0																																																																																																																																																																			

\*\*or number previously paid, if greater; For Reissues, see above

SUBMITTED BY						Complete (if applicable)	
Name (Print/Type)	Mark H. Neblett	Registration No. Attorney/Agent)	42,028	Telephone	(202) 220-4232		
Signature					Date	July 25, 2001	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.